

Name: \_\_\_\_\_

## Algebra 1A Property Project

**Objective:** Students will showcase their understanding of a chosen algebraic property.

**Description:** Students will choose one of the twelve given algebraic properties, explain its definition, provide two examples of the property and showcase the property in a creative way. The creative way could be:

- creating a **PowerPoint** that helps the reader understand the property
- writing **two paragraphs** that clearly explain the property
- giving a **speech** to help the listeners understand the property
- writing a **poem** to use imagery and symbols to represent the property
- acting out a **skit** that shows how the property works
- creating a **video/movie** that shows how the property works
- singing a **song** that illustrates how the property works
- creating a **poster** that illustrates the property
- creating a **booklet** that tells the story of the property

**Property Choices:** Associative Property of Addition; Associative Property of Multiplication; Commutative Property of Addition; Commutative Property of Multiplication; Multiplication Property of Zero; Multiplication Property of Negative One; Identity Property of Addition; Identity Property of Multiplication; Inverse Property of Addition; Inverse Property of Multiplication; Distributive Property; Symmetric Property

### Deadline #1: Project Proposal: Tuesday, November 11th:

Students must make two major decision regarding their project by filling out the information below.

Algebraic Property (full name):

Mode of Presentation: Choose one:

<b>PowerPoint</b>	<b>Paragraphs</b>	<b>Speech (with prop)</b>
<b>Poem</b>	<b>Skit</b>	<b>Video/Movie</b>
<b>Song</b>	<b>Poster</b>	<b>Booklet</b>

Name: \_\_\_\_\_

**Deadline #2: Presentation of Product: Wednesday, November 19th**

	Unsatisfactory (0)	Satisfactory (1-3)	Outstanding (4-5)	Your Score
Property Name	Property name is not presented.	Property name is presented and is one of the twelve given properties.	Property name is presented, is one of the given properties, is written out or stated fully and is correctly capitalized and spelled.	
Property Definition	Property definition is not presented.	Property definition is presented accurately.	Property definition is presented accurately in a complete sentence using algebraic terms AND in an algebraic expression or equation.	
Example One	No example is given.	An example of the property is given and accurate.	An example of the property is given, explained clearly and clearly showcases the property.	
Example Two	A second example is not given.	An example of the property is given, is accurate and is different from the first example.	An example of the property is given, explained clearly and clearly showcases the property and is different from the first example.	
Creative Showcase	The property is not shown in a creative way.	The property is shown in one of the given modes of presentation and helps the viewer understand the property.	The showcase of the property significantly enhances the understanding of the property.	
Effort	Product demonstrates minimal effort.	Project demonstrates a moderate level of effort.	Student clearly spent time and effort creating an excellent final product.	
Mode of Presentation Requirements <i>See next page for requirements for your choice of project product.</i>	The requirements are not fulfilled.	The requirements are somewhat or mostly fulfilled.	The requirements are fulfilled completely.	
Total				/35

### Requirements for Each Presentation Style

**It is your responsibility to examine and follow the project requirements for your particular mode of presentation.**

**PowerPoint:** Your PowerPoint must be a minimum of 6 slides. Each slide must contain a picture. Your property name, definition, two examples, and creative showcase must be included and correct spelling and grammar is required. Creativity is a must! Your PowerPoint must be EMAILED or shared via Google drive (no flash drives).

**Paragraphs:** Your TWO paragraphs must be typed in Times New Roman font, 12 point, double-spaced. Your heading must be four lines only, single spaced (name/date/period/assignment description). Your paragraphs should include your property name, definition, two examples, and creative showcase with additional information about the creation and your thinking process. Spelling and grammar count! Your paper must be PRINTED out or EMAILED or shared via Google drive (no flash drives).

**Speech (with prop):** Your speech must be a minimum of 2 minutes and a maximum of 5 minutes. You must present your property name, definition, two examples, and creative showcase and you may use notecards to guide you. You should make eye contact with your audience, speak at a pace and volume that can be clearly understood, and there should be evidence that you have practiced your speech. A PROP RELATED TO YOUR PROPERTY IS REQUIRED.

**Poem:** Your poem must be typed in Times New Roman font, 12 point, double-spaced. Your heading must be four lines only, single spaced (name/date/period/assignment description). Your poem should include your property name, definition, two examples, and showcase with room for creativity. Your poem can be in any form you like, but you need a minimum of three stanzas with a minimum of three lines each. Spelling counts!

**Skit:** Your skit must be a minimum of 2 minutes and a maximum of 5 minutes. You must present your property name, definition, two examples, and creative showcase through your skit and you may use notecards to guide you. You should speak at a pace and volume that can be clearly understood, and there should be evidence that you have practiced your skit. ALTHOUGH YOU MAY USE OTHER STUDENTS IN THE CLASS FOR YOUR SKIT, THESE STUDENTS WILL NOT RECEIVE CREDIT FOR YOUR SKIT AND YOU MUST REHEARSE WITH THEM OUTSIDE OF CLASS TIME.

**Video/Movie:** Your video/movie must be a minimum of 2 minutes and a maximum of 5 minutes. You must present your property name, definition, two examples, and creative showcase through your movie. Creativity is a MUST, but the algebra must be clear. Your

video/movie MUST be EMAILED, available on the Internet or burned to a DVD that can be played on a DVD player.

**Song:** Your song must be a minimum of 2 minutes and a maximum of 5 minutes. You must present your property name, definition, two examples, and creative showcase and you must either record your song ahead of time or play it live for the class. If you record your song ahead of time, you are responsible for bringing all technology required to play your song for the class.

**Poster:** Your poster must be at least 12" by 12" and should be on posterboard or cardstock. Your property name, definition, two examples, and creative showcase must be present on your poster. Your poster must be neat, colorful and creative and include an additional element besides text (ie: scrapbooking embellishment, drawing, ribbons, etc). Spelling and grammar count!

**Booklet:** Your booklet must be a minimum of 6 pages, including a title page. Your property name, definition, two examples, and creative showcase, and you must have a drawing or picture on each page. Spelling and grammar count and creativity is a must! Your booklet CANNOT be on looseleaf paper and must be creatively bound.